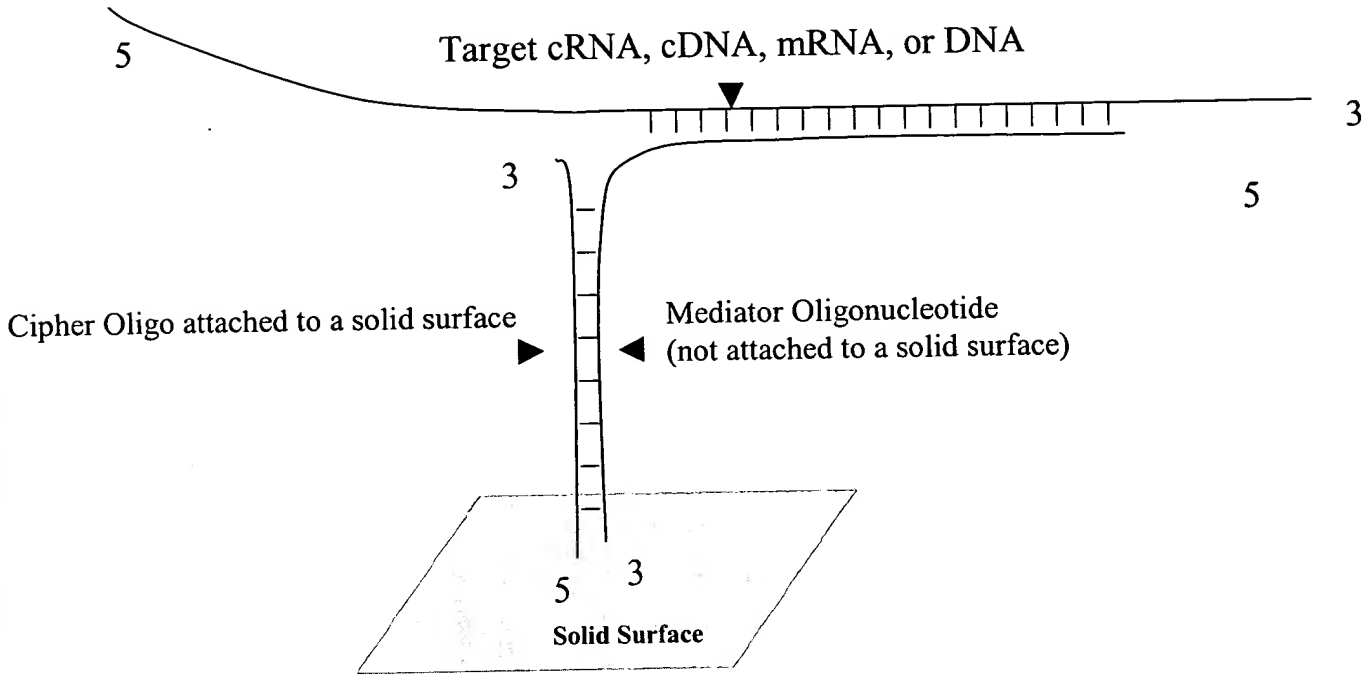
5
Target cRNA, cDNA, mRNA, or DNA
3
3
5
Cipher Oligo attached to a solid surface
Mediator Oligonucleotide
(not attached to a solid surface)
5
3
Solid Surface

FIGURE 1

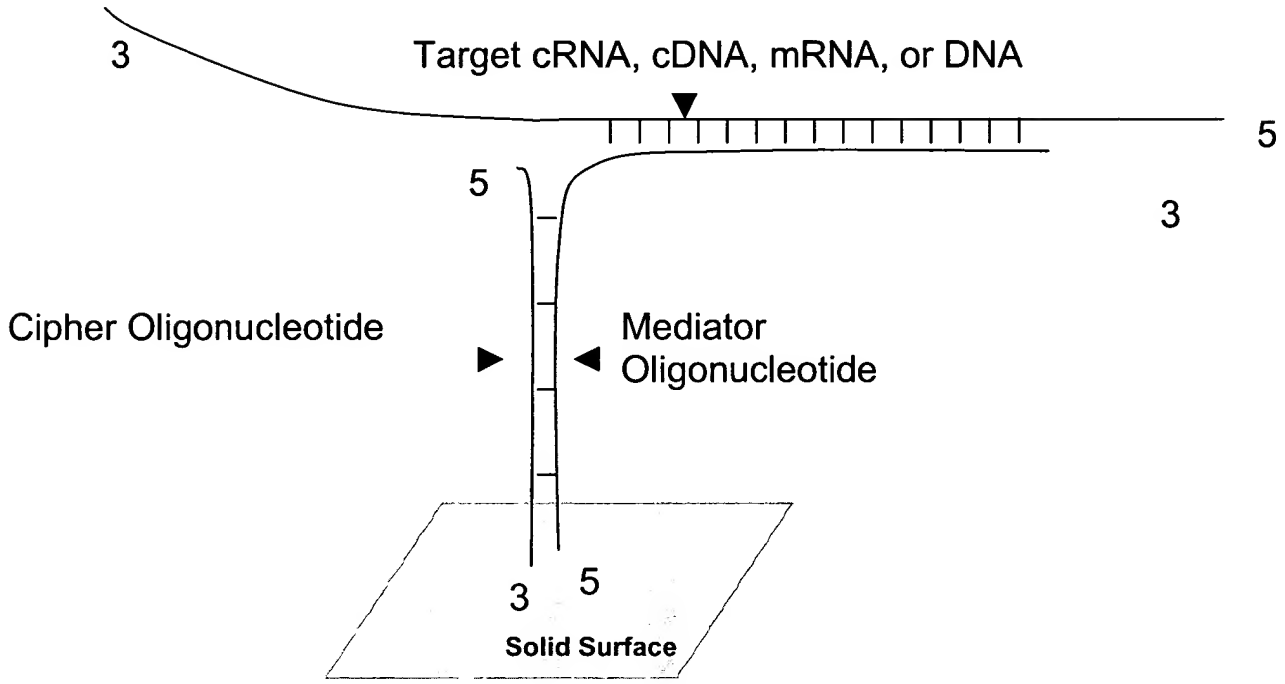
3
Target cRNA, cDNA, mRNA, or DNA
5
5
3
Cipher Oligonucleotide
Mediator
Oligonucleotide
3
5
Solid Surface

FIGURE 2

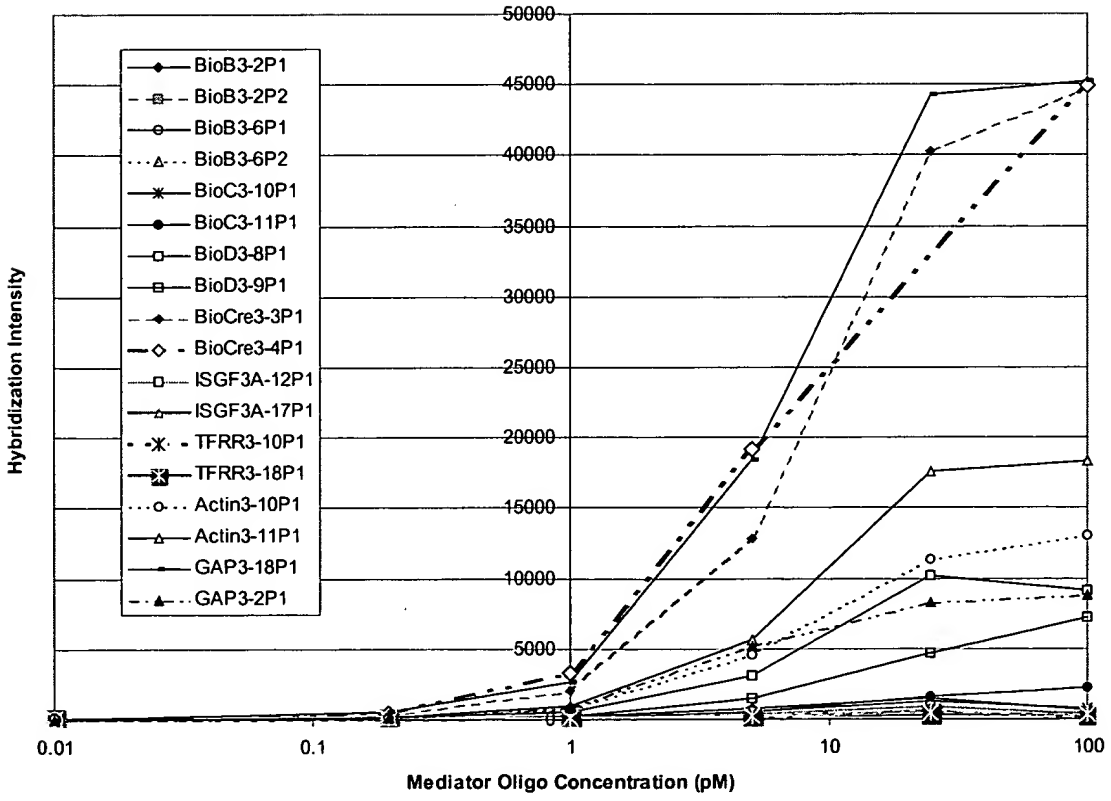
BioB3-2P1
BioB3-2P2
BioB3-6P1
BioB3-6P2
BioC3-10P1
BioC3-11P1
BioD3-8P1
BioD3-9P1
BioCre3-3P1
BioCre3-4P1
ISGF3A-12P1
ISGF3A-17P1
TFRR3-10P1
TFRR3-18P1
Actin3-10P1
Actin3-11P1
GAP3-18P1
GAP3-2P1
Hybridization Intensity
50000
45000
40000
35000
30000
25000
20000
15000
10000
5000
0.01
0.1
1
10
100
Mediator Oligo Concentration (pM)

FIGURE 3a

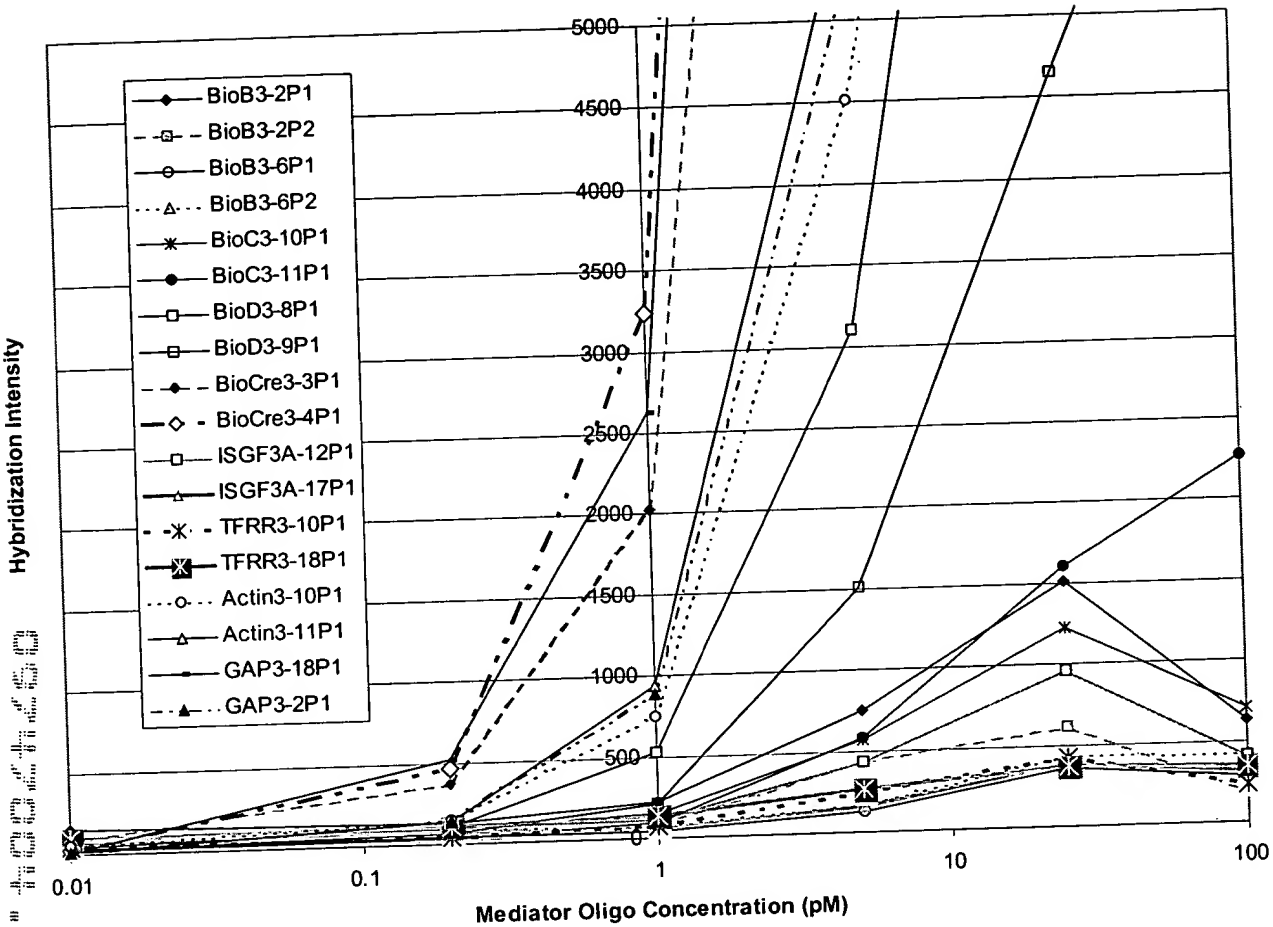
BioB3-2P1
BioB3-2P2
BioB3-6P1
BioB3-6P2
BioC3-10P1
BioC3-11P1
BioD3-8P1
BioD3-9P1
BioCre3-3P1
BioCre3-4P1
ISGF3A-12P1
ISGF3A-17P1
TFRR3-10P1
TFRR3-18P1
Actin3-10P1
Actin3-11P1
GAP3-18P1
GAP3-2P1
5000
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0.01
0.1
1
10
100
Hybridization Intensity
Mediator Oligo Concentration (pM)

FIGURE 3b

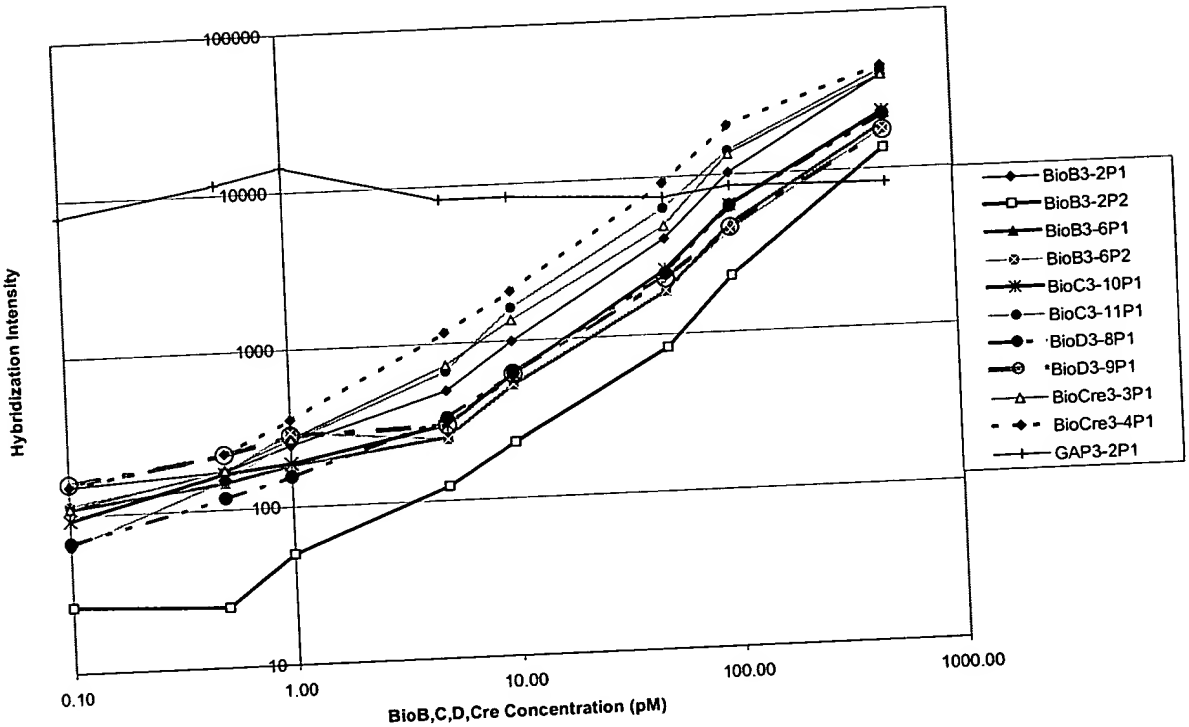
100000
10000
1000
100
10
Hybridization Intensity
0.10
1.00
10.00
100.00
1000.00
BioB,C,D,Cre Concentration (pM)
BioB3-2P1
BioB3-2P2
BioB3-6P1
BioB3-6P2
BioC3-10P1
BioC3-11P1
BioD3-8P1
BioD3-9P1
BioCre3-3P1
BioCre3-4P1
GAP3-2P1

FIGURE 4